

**Listing of the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application.

1-57. (Canceled).

58. (Currently Amended) A tissue dressing apparatus for supplying one or more predetermined gases to a target area, comprising:

a top layer; and

a bottom layer; ~~sealed around the perimeter of the layers to form~~

a reservoir; ~~between the layers and~~

one or more predetermined gases at concentrations greater than atmospheric included within the reservoir, wherein:

the top layer has gas barrier properties,

the bottom layer has gas transfer properties,

the top and bottom layers are sealed together to form the reservoir, and

the tissue dressing apparatus is non-gas generating and ~~reservoir is~~ packaged prior to use with the one or more predetermined gases.

59. (previously presented) The apparatus of claim 58, wherein the apparatus further comprises an adhesive backing configured to affix the apparatus to the target area.

60. (Currently Amended) The apparatus of claim 58, wherein the top layer is selected from the group consisting of: comprised of a metallized polyester, ceramic polyester, polyvinylidene, EVOH, polyamide, polyethylene, and laminates of any of the forgoing and combinations thereof.

61. (Canceled).

- 62. (Canceled).
- 63. (Canceled).
- 64. (Canceled).
- 65. (Canceled).
- 66. (Canceled).
- 67. (Canceled).
- 68. (Canceled).
- 69. (previously presented) The apparatus of claim 58, wherein the top layer conducts heat or electrical stimulation from an external source to the target area.
- 70. (previously presented) The apparatus of claim 58, wherein the bottom layer is comprised of polyurethane, silicone, polyvinylchloride, ethylene vinyl alcohol or polyolefins.
- 71. (previously presented) The apparatus of claim 58, wherein the bottom layer is porous or perforated
- 72. (previously presented) The apparatus of claim 71, wherein the bottom layer is porous or perforated in a manner sufficient to allow non-gas entities to pass through.
- 73. (previously presented) The apparatus of claim 72, wherein the non-gas entities comprise nutritional or therapeutic agents.
- 74. (previously presented) The apparatus of claim 58, wherein the gas contained in the reservoir is controllably released through the bottom layer to the target area.
- 75. (previously presented) The apparatus of claim 58, wherein an absorbent layer is attached to the bottom layer and the absorbent layer is between the bottom layer and the target area.

76. (previously presented) The apparatus of claim 58, wherein an absorbent layer is attached to the bottom layer and said absorbent layer is between the top layer and the bottom layer.
77. (previously presented) The apparatus of claim 75 or 76, wherein the absorbent layer is ring-shaped.
78. (previously presented) The apparatus of claim 59, wherein the adhesive backing covers the perimeter of the bottom layer.
79. (previously presented) The apparatus of claim 59, wherein the adhesive backing covers the entire apparatus.
80. (previously presented) The apparatus of claim 79, wherein the adhesive backing is integrated with the bottom layer.
81. (previously presented) The apparatus of claim 58, wherein a compliant porous insert is contained within the reservoir.
82. (previously presented) The apparatus of claim 81, wherein the compliant porous insert is comprised of a sponge-like material.
83. (previously presented) The apparatus of claim 81, wherein an absorbent layer is incorporated into the compliant porous insert.
84. (previously presented) The apparatus of claim 81, wherein the compliant porous insert fills the entire reservoir and is adjacent to both the top layer and the bottom layer.
85. (previously presented) The apparatus of claim 75, wherein a compliant porous insert is incorporated in the absorbent layer.
86. **(Currently Amended)** The apparatus of claim 58, wherein the one or more predetermined gases ~~gas in the reservoir~~ is oxygen.
87. **(Currently Amended)** The apparatus of claim 58, wherein the one or more predetermined gases ~~gas in the reservoir~~ is nitrogen.

88. **(Currently Amended)** The apparatus of claim 58, wherein the one or more predetermined gases ~~gas in the reservoir~~ is carbon dioxide.
89. (previously presented) The apparatus of claim 58, wherein the reservoir further contains a biologically beneficial agent.
90. (previously presented) The apparatus of claim 89, wherein the biologically beneficial agent is a drug, mineral, nutrient, amino acid, pH modifier, anti-microbial, growth factor or enzyme.
91. (previously presented) The apparatus of claim 90, wherein the biologically beneficial agent is contained in microcapsules incorporated in the adhesive backing.
92. (previously presented) The apparatus of claim 90, wherein the biologically beneficial agent is contained in a gel matrix in the reservoir.
93. (previously presented) The apparatus of claim 58, wherein either the top layer or the bottom layer or both further comprise a plurality of spaced apart ribs.
94. (previously presented) The apparatus of claim 58, which is in a form of a glove or mitten.
95. (previously presented) The apparatus of claim 58, which is in a form of a sock.
96. (previously presented) The apparatus of claims 58, further comprising a gasket that seals the top and bottom layers together around the perimeter.
97. (previously presented) The apparatus of claim 96, wherein the gasket is a reinforced gasket that extends into the reservoir.
98. (previously presented) The apparatus of claim 58, further comprising a septum.
99. (previously presented) The apparatus of claim 58, further comprising a substantially gas-impermeable enclosed container containing one or more second predetermined gases, the enclosed container also containing the top and bottom layers and corresponding reservoir, wherein the one or more predetermined gases of the reservoir

and the one or more second gases diffuse through the bottom layer to reach equilibrium within the container and the reservoir.

100. **(Currently Amended)** A tissue dressing apparatus for supplying one or more predetermined gases to a target area, comprising:

a top layer;<sub>;</sub>

an absorbent layer;<sub>;</sub> and

a bottom layer;<sub>;</sub>

a reservoir, and

one or more predetermined gases at concentrations greater than atmospheric included within the reservoir, wherein:

the top and bottom layers are sealed together around the perimeter of the layers to form the a reservoir between the top and bottom layers,

the top layer has gas barrier properties,

the bottom layer has gas transfer properties, and

the absorbent layer is attached to the bottom layer, and

the tissue dressing apparatus is non-gas generating and reservoir is packaged prior to use with the one or more predetermined gases.

101. **(Currently Amended)** A tissue dressing apparatus for supplying one or more predetermined gases to a target area, comprising:

a top layer;<sub>;</sub>

an absorbent layer;<sub>;</sub>

a bottom layer;<sub>;</sub> and

a gel layer;<sub>;</sub>

a reservoir; and

one or more predetermined gases at concentrations greater than atmospheric included within the reservoir, wherein:

the top and bottom layers are sealed together around the perimeter of the layers to form the a reservoir between the top and bottom layers,

the reservoir includes and filled with the absorbent layer,

the tissue dressing apparatus is non-gas generating and packaged prior to use with the said reservoir is packaged with one or more predetermined gases, wherein

the top layer has gas barrier properties,

the absorbent layer is attached to the bottom layer and has high gas transfer properties,

the bottom layer has gas transfer properties, and

the gel layer is attached to the bottom layer and contacts the target area.

102. **(Canceled).**

103. **(Canceled).**

104. **(New)** A tissue dressing apparatus for supplying one or more predetermined gases to a target area, comprising:

a top layer having gas barrier properties;

a bottom layer having gas transfer properties;

a reservoir formed from the top and bottom layers being sealed together; and

a preset volume of one or more predetermined gases at concentrations greater than atmospheric included within the reservoir prior to use, wherein the tissue dressing apparatus is non-gas generating.

105. (New) The apparatus according to claim 104, wherein the one or more predetermined gases are included within the reservoir at about atmospheric pressure.
106. (New) The apparatus according to claim 104, wherein the tissue dressing apparatus is packaged prior to use with the one or more predetermined gases.
107. (New) The apparatus according to claim 104, wherein the tissue dressing apparatus is packaged prior to use at about atmospheric pressure.
108. (New) The apparatus according to any of claims 100, 101 and 104, wherein the one or more predetermined gases is oxygen.
109. (New) The apparatus according to any of claims 100, 101 and 104, wherein the one or more predetermined gases is nitrogen.
110. (New) The apparatus according to any of claims 100, 101 and 104, wherein the one or more predetermined gases is carbon dioxide.
111. (New) The apparatus according to any of claims 58, 100, 101 and 104, wherein the one or more predetermined gases is nitric oxide.
112. (New) The tissue dressing apparatus according to any of claims 58, 100, 101 and 104, further comprising a substantially gas-impermeable enclosed package for containing the tissue dressing apparatus prior to use.
113. (New) A tissue dressing apparatus for supplying oxygen gas to a target area, comprising:
  - a top layer having gas barrier properties;
  - a bottom layer having gas transfer properties;

a reservoir formed from the top and bottom layers being sealed together;  
a preset volume of oxygen at a concentration greater than atmospheric included within the reservoir; and  
a substantially gas-impermeable enclosed package for containing the tissue dressing apparatus prior to use, wherein the tissue dressing apparatus is non-gas generating and packaged prior to use with the oxygen.